

Date: Sun, 23 Oct 94 04:30:39 PDT
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: List
Subject: Ham-Space Digest V94 #299
To: Ham-Space

Ham-Space Digest Sun, 23 Oct 94 Volume 94 : Issue 299

Today's Topics:

 ARLK047 Keplerian data
 WINSAT AMSAT Software Question
 Yagi antennas

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 22 Oct 1994 13:41:11 EDT
From: w1aw@arrl.org
Subject: ARLK047 Keplerian data

SB KEP @ ARL \$ARLK047
ARLK047 Keplerian data

ZCZC SK15
QST de W1AW
Keplerian Bulletin 47 ARLK047
 From ARRL Headquarters
 Newington, CT October 22, 1994
 To all radio amateurs

SB KEP ARL ARLK047
ARLK047 Keplerian data

Thanks to NASA, AMSAT and N3FKV for the following Keplerian data.

Decode 2-line elsets with the following key:

1 AAAAAU 00 0 0 BBBB.BBBBBBBB .CCCCCCC 00000-0 00000-0 0 DDDZ
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJKKKKKZ
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

STS-66

1 99966U 94307.76579162 .00051270 00000-0 16849-3 0 26
2 99966 56.9997 196.6306 0011659 276.4103 83.5649 15.89544561 27

AO-10

1 14129U 83058B 94289.48195497 -.000000348 00000-0 10000-3 0 3242
2 14129 26.8030 302.7931 6025932 219.6206 75.3706 2.05881540 57313

RS-10/11

1 18129U 87054A 94292.38005554 .000000024 00000-0 10172-4 0 9745
2 18129 82.9252 237.0364 0012882 44.0813 316.1366 13.72342608366947

UO-11

1 14781U 84021B 94293.06337217 .000000174 00000-0 37372-4 0 7471
2 14781 97.7840 301.9351 0010762 228.9828 131.0446 14.69256351568645

RS-12/13

1 21089U 91007A 94292.90359627 .000000048 00000-0 34480-4 0 7469
2 21089 82.9197 278.9539 0030567 119.7822 240.6385 13.74048095185779

AO-13

1 19216U 88051B 94289.83915306 -.000000675 00000-0 10000-4 0 9846
2 19216 57.7079 225.4122 7238776 352.6062 0.6575 2.09727113 17067

UO-14

1 20437U 90005B 94293.20440151 .000000016 00000-0 23113-4 0 468
2 20437 98.5855 16.2512 0010711 180.6647 179.4521 14.29858832247458

AO-16

1 20439U 90005D 94293.18528199 .000000021 00000-0 25194-4 0 8449
2 20439 98.5946 17.6023 0011017 181.3296 178.7858 14.29912892247464

DO-17

1 20440U 90005E 94293.26734657 .000000033 00000-0 29791-4 0 8459
2 20440 98.5958 18.0510 0011167 180.4971 179.6201 14.30052923247498

WO-18

1 20441U 90005F 94293.24494939 .000000021 00000-0 25148-4 0 8486
2 20441 98.5952 18.0195 0011596 180.8388 179.2773 14.30026432247490

LO-19

1 20442U 90005G 94292.65493458 .000000027 00000-0 27335-4 0 8437
2 20442 98.5961 17.7262 0011969 182.0129 178.1015 14.30124407247424

FO-20

1 20480U 90013C 94293.27365552 -.000000026 00000-0 91245-5 0 7419
2 20480 99.0572 61.5721 0541232 56.2117 308.9325 12.83227627220171

AO-21

1 21087U 91006A 94292.36296368 .000000094 00000-0 82657-4 0 5309
2 21087 82.9357 50.8005 0036410 96.9673 263.5626 13.74545926186647

UO-22

1 21575U 91050B 94293.19690594 .000000058 00000-0 34254-4 0 5503
2 21575 98.4248 5.0993 0006860 280.7084 79.3332 14.36936911171034

KO-23

1 22077U 92052B 94293.65204607 -.000000037 00000-0 10000-3 0 4432
 2 22077 66.0819 17.2879 0015330 257.8052 102.1249 12.86288299102923
 KO-25
 1 22828U 93061F 94293.71337851 .000000011 00000-0 22181-4 0 3199
 2 22828 98.6396 8.2730 0009739 185.3399 174.7670 14.28070072 23694
 KO-25?
 1 22830U 93061H 94294.20452313 -.000000024 00000-0 76247-5 0 3488
 2 22830 98.5399 4.6367 0009470 167.1699 192.9728 14.28066081 55683
 IO-26
 1 22826U 93061D 94293.73185872 .000000036 00000-0 32438-4 0 3400
 2 22826 98.6418 8.2675 0008766 199.8794 160.2047 14.27743111 55607
 AO-27
 1 22825U 93061C 94294.18056459 .000000019 00000-0 25710-4 0 3425
 2 22825 98.6440 8.6587 0008196 196.5821 163.5104 14.27637890 55661
 PO-28
 1 22829U 93061G 94293.72118842 .000000027 00000-0 28398-4 0 3348
 2 22829 98.6405 8.2998 0009854 185.5446 174.5618 14.28045159 55610
 Mir
 1 16609U 86017A 94293.24006359 .000000649 00000-0 15350-4 0 8187
 2 16609 51.6470 280.5462 0002647 149.3494 210.7589 15.57467996495501

Keplerian bulletins are transmitted twice weekly from W1AW.

The next scheduled transmission of these data will be Tuesday,
 October 25, 1994, at 2230z on Baudot and AMTOR.

NNNN

/EX

 Date: 23 Oct 1994 01:39:03 -0400
 From: mhogan@aol.com (MHOGAN)
 Subject: WINSAT AMSAT Software Question

In article <37gpge\$g85@newsbf01.news.aol.com>, mhogan@aol.com (MHOGAN)
 writes:

To the WINSAT guy... Been on vacation New software came while I was gone
 and I made you a copy tonight. To all others I will upload 2.41 to AOL
 tonight and check to see if Roberto got it on C-Serve. As far as Me
 making copies, send a mailer, blank disk and put your address and stamps
 on the mailer. I will send your copy ASAP. 2.41 looks real good, but
 please reware Roberto for his work. He has done alot for us all. My rig
 died two weeks ago so I need to get another one while I have taht fixed,
 and I never have been a power on the birds, Kinda brand new really
 See yaall
 Hogan / N50BC

Date: Sun, 23 Oct 94 00:50:00 +0000
From: paul.britton@mhs.oz.au (Paul Britton)
Subject: Yagi antennas

Does any one have any simple plans for antennas for receiving packet etc of the vast array of amateur radio satellites as well as shuttle sarex missions.

Paul

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Satcom Australia Space & Satellite BBS
Sydney Australia 612-9050849 28.8k

End of Ham-Space Digest V94 #299
